

FIG 1

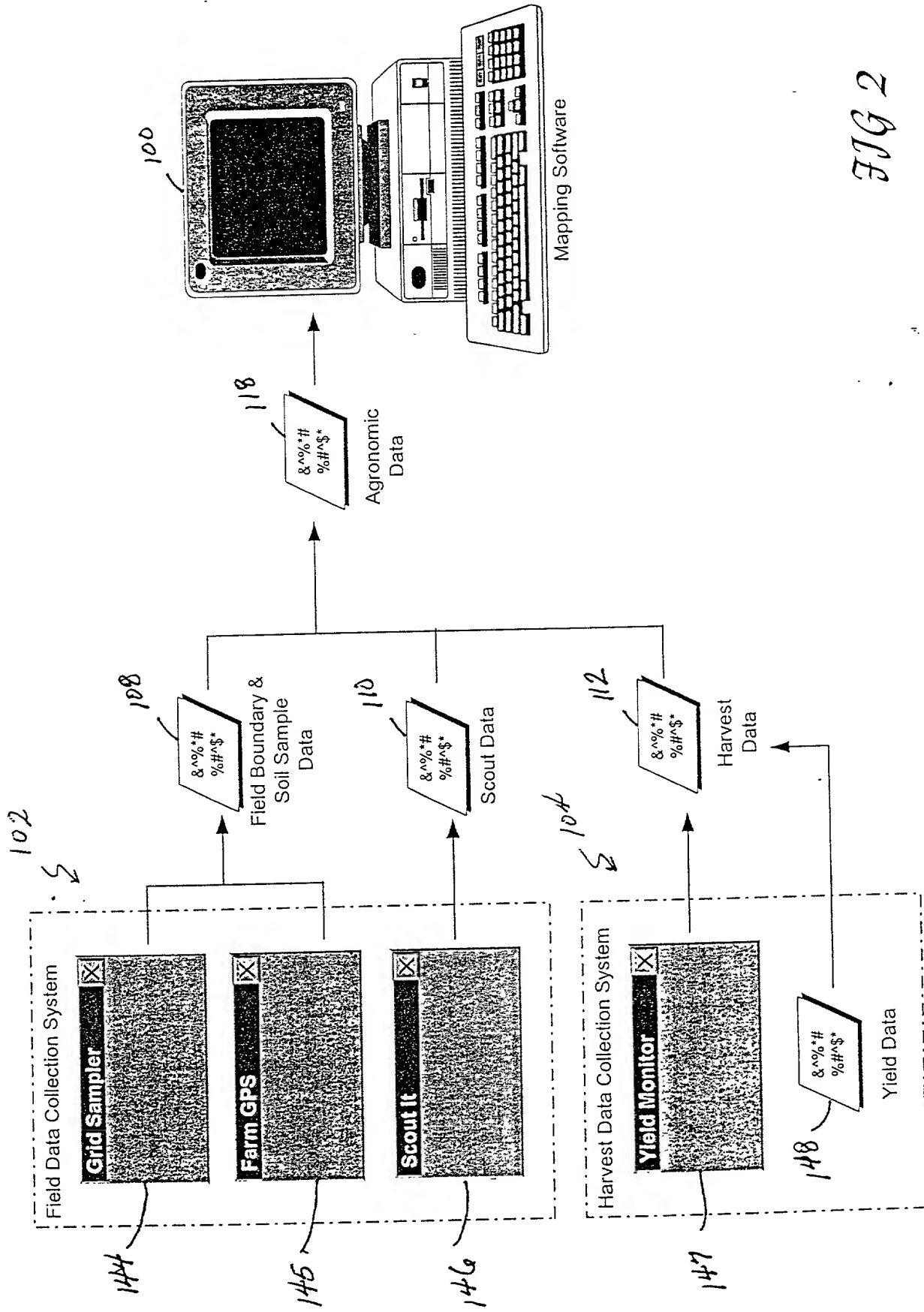


FIG 2

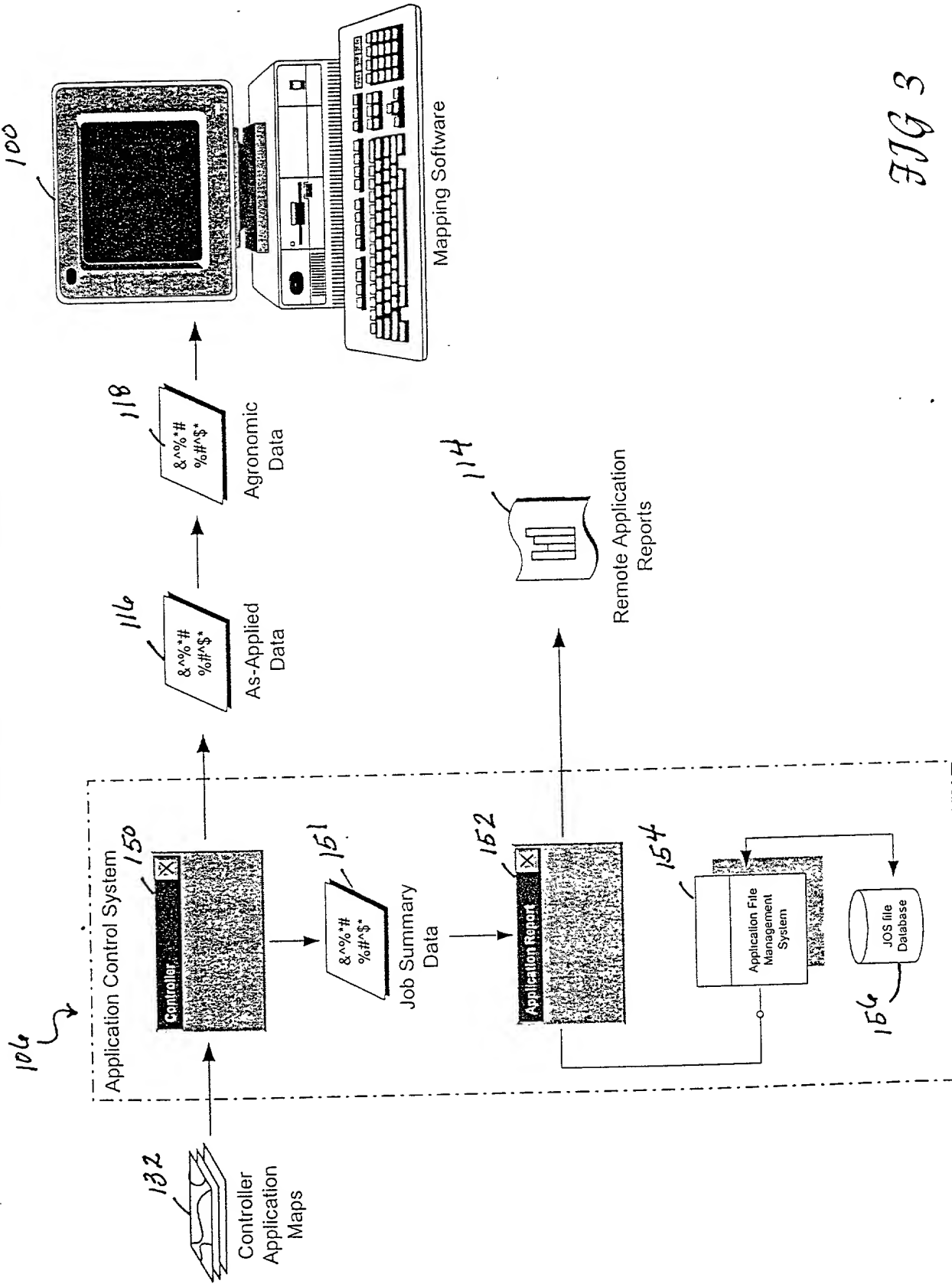


FIG 3

105090-264260

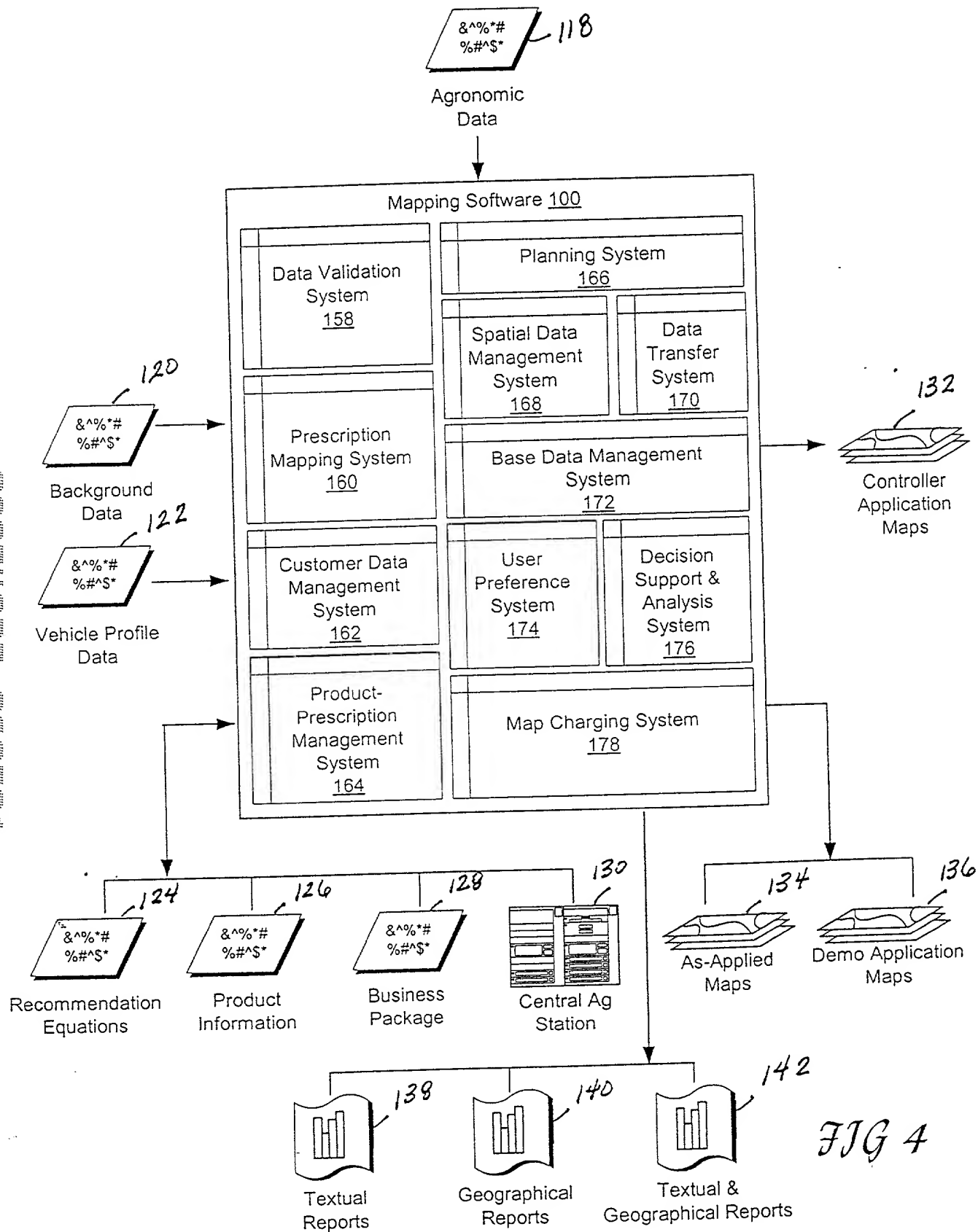


FIG 4

205090 264/860

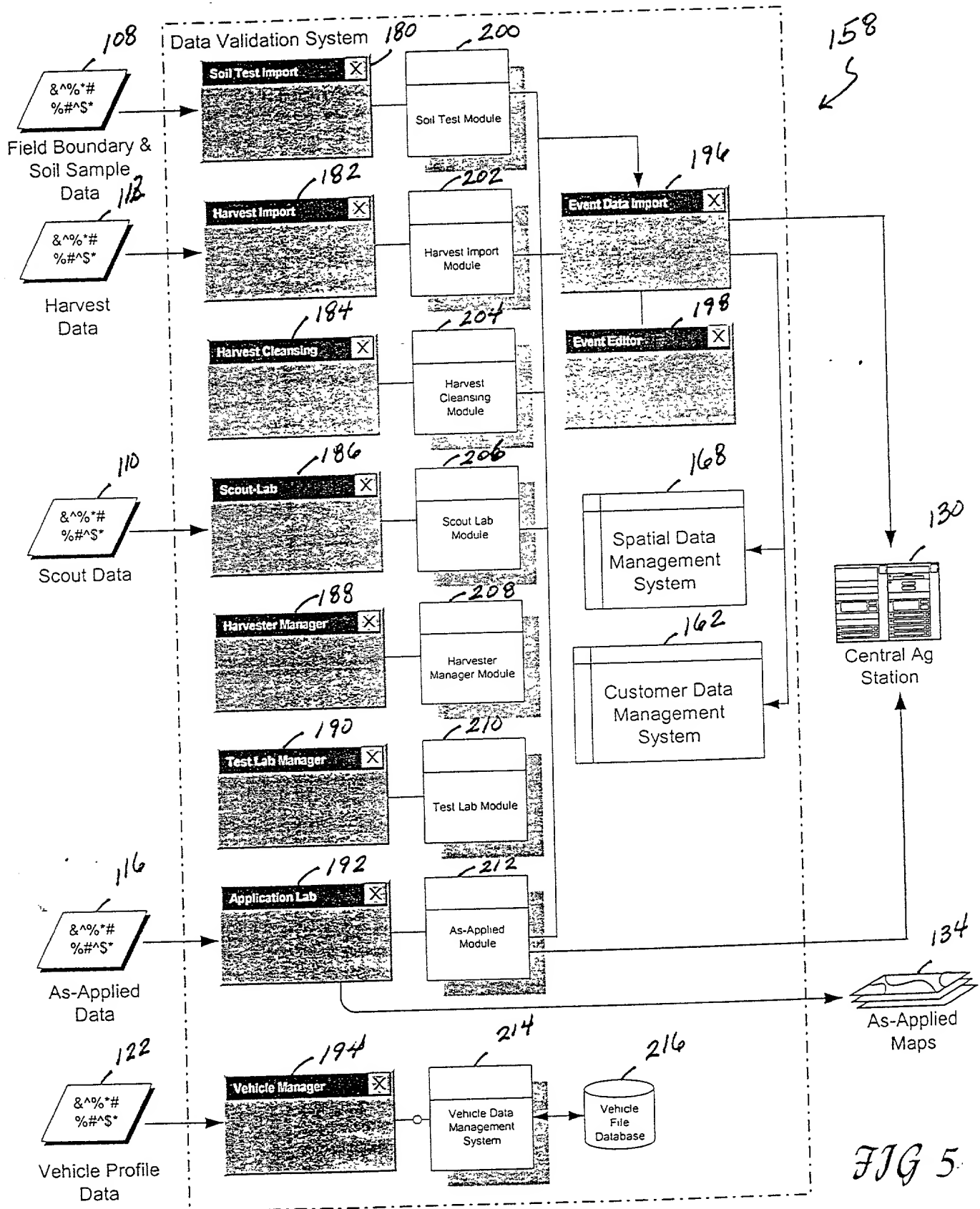


FIG 5

705090 4644360

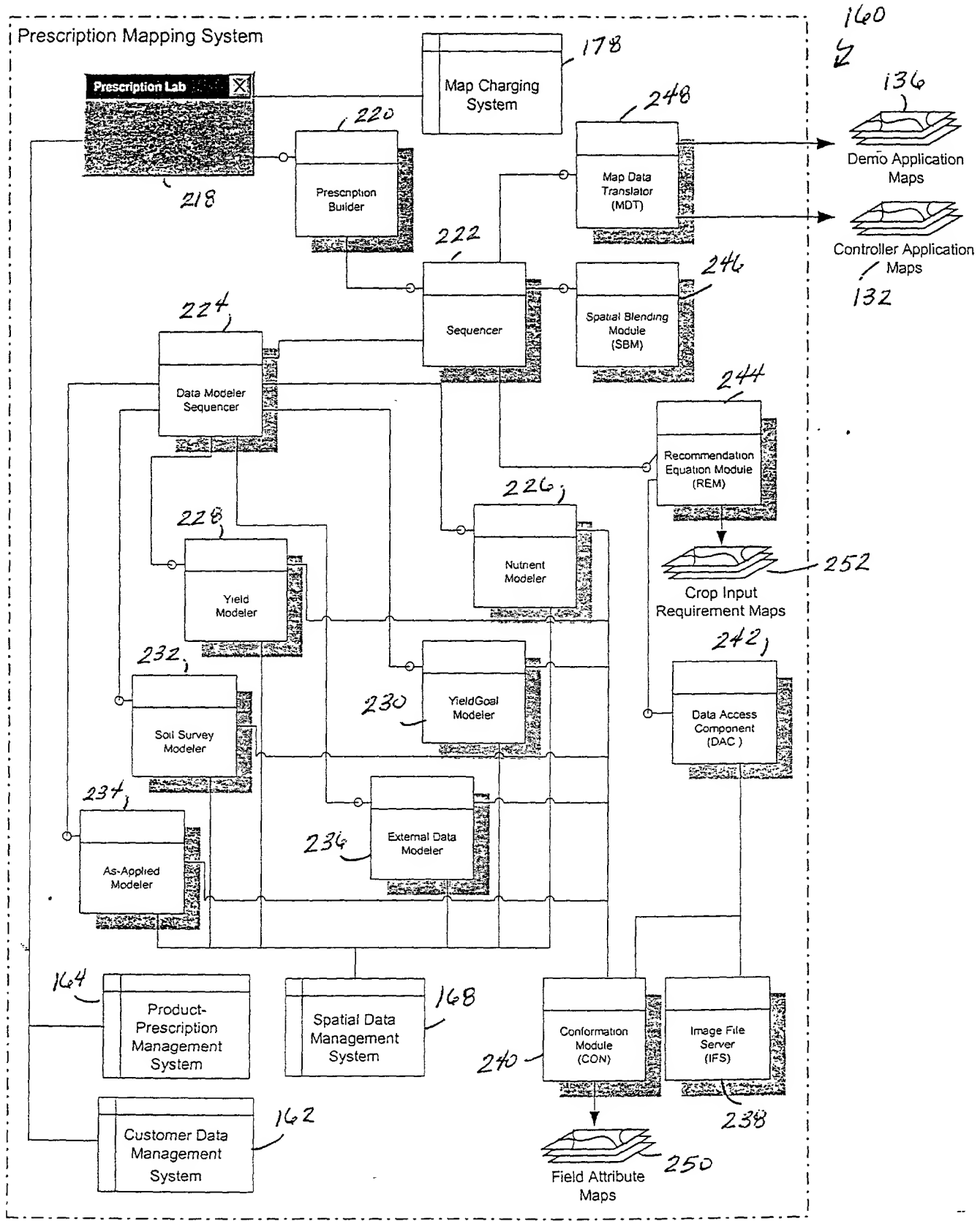


FIG 6

105090" 264/860

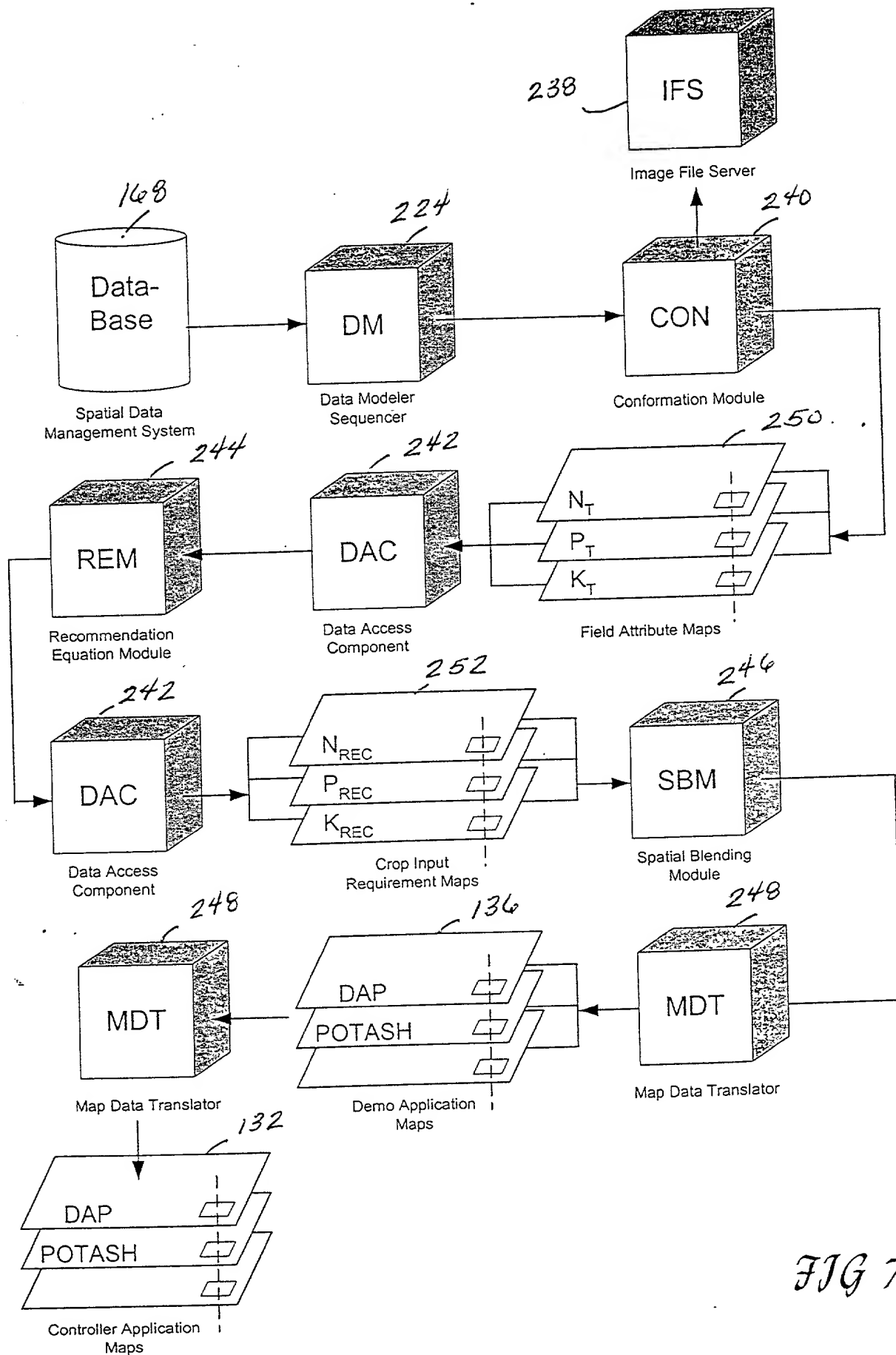


FIG 7

FIG 8

162

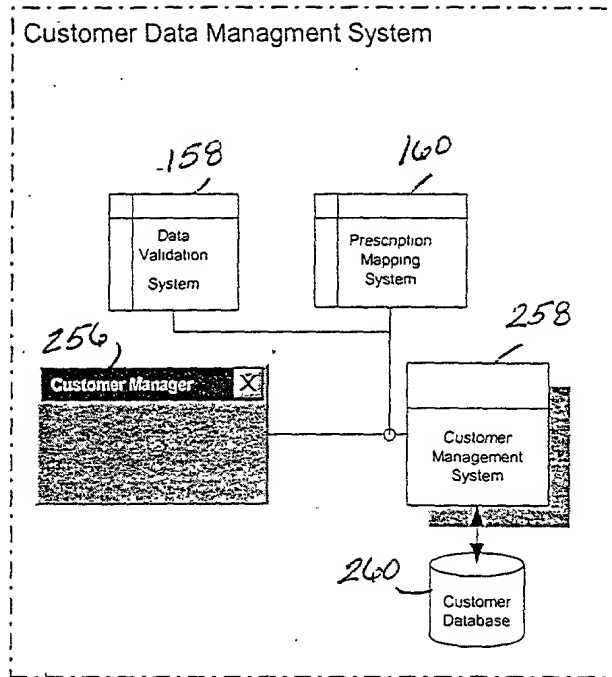


FIG 8

164

272

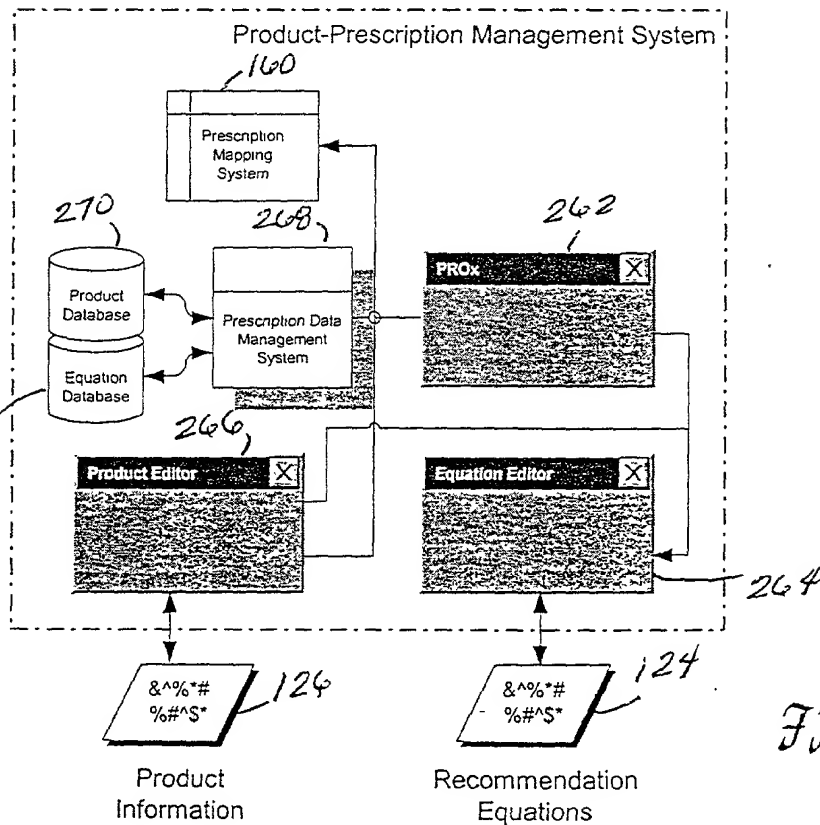
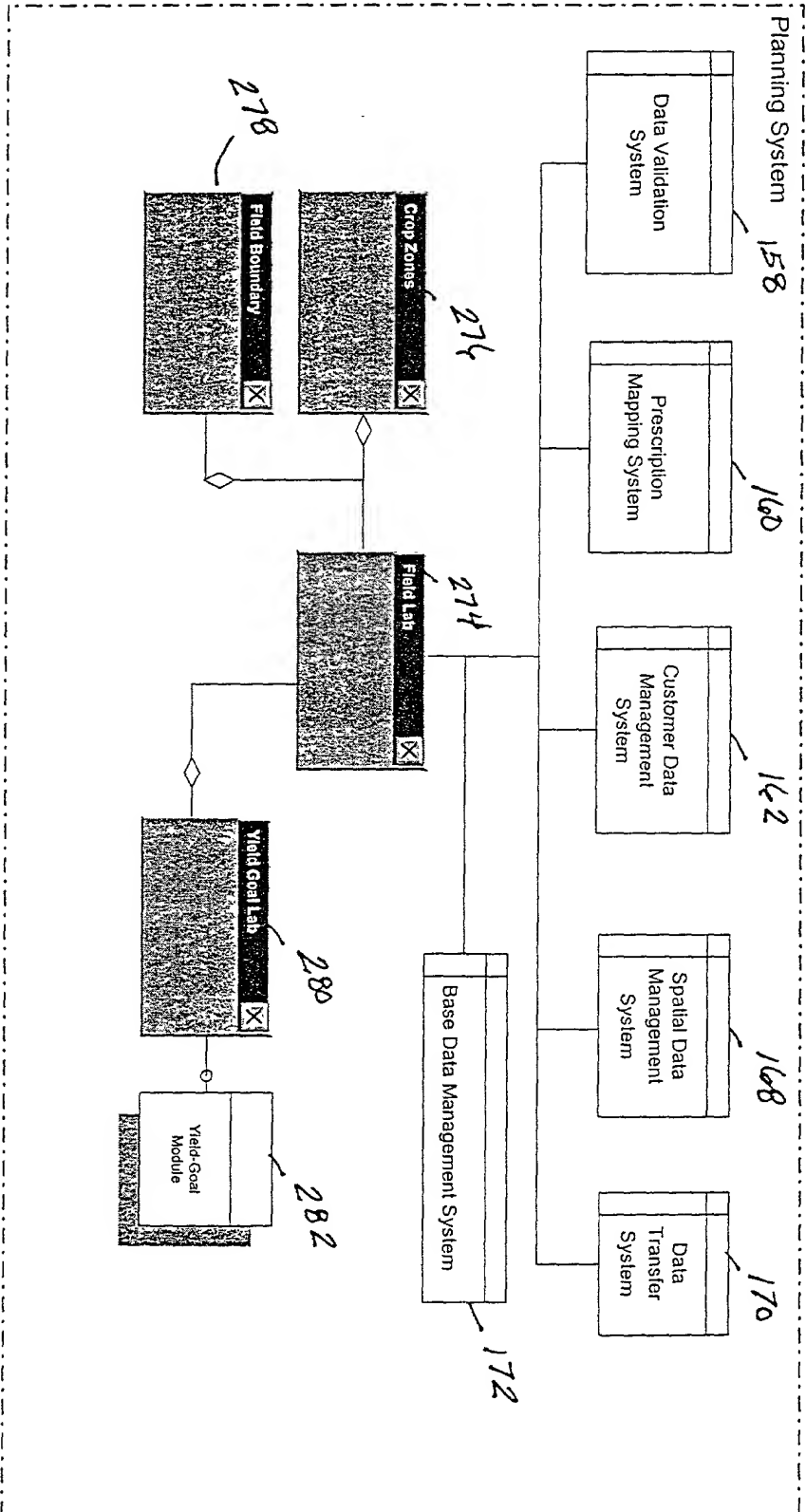


FIG 9





09874937, 060501

Fig 10

168

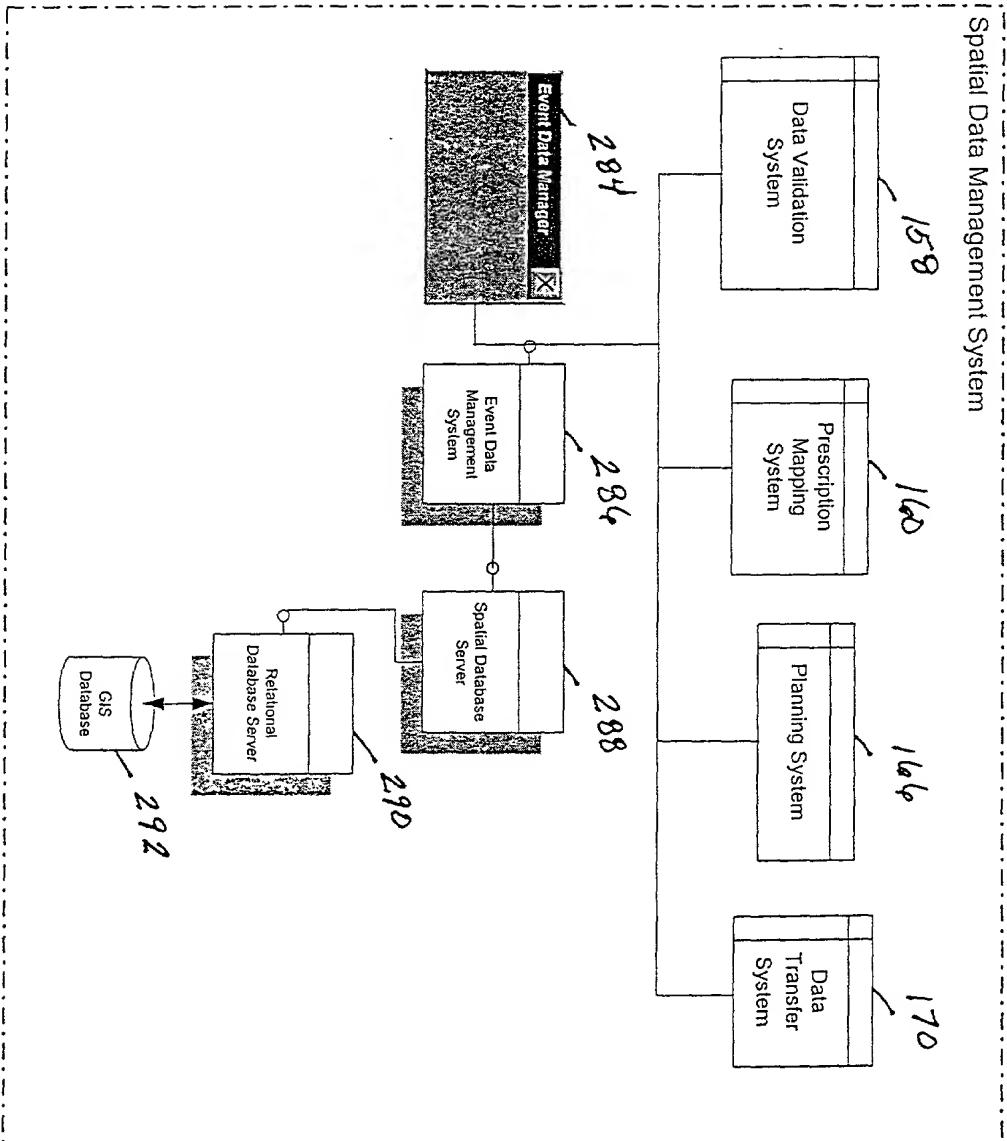


FIG 11

09874937 060304

FIG. 12

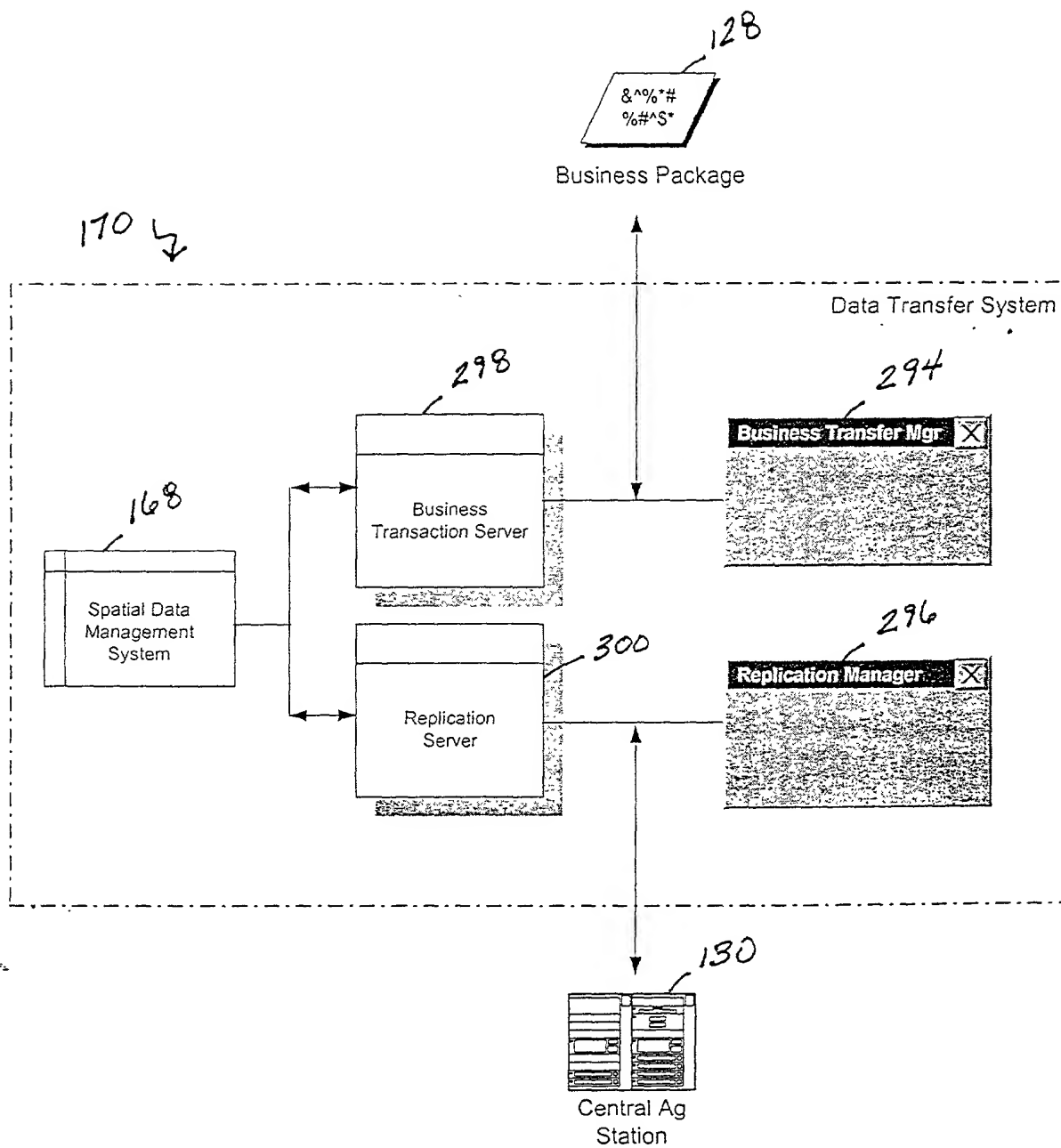


FIG 12

Figure 1 is a block diagram illustrating the architecture of the Base Data Management System. The system is enclosed in a dashed-line boundary. On the left, a block labeled "Background Data" (120) receives input from a source labeled "172" and provides data to three user interface components: "Geo-Image Manager" (302), "Base Data Manager" (304), and "Soil Survey Editor" (306). Each of these components is connected to a corresponding management system: "Geo-Image Manager" connects to "Geo-Image Management System" (308), "Base Data Manager" connects to "Base Data Management System" (310), and "Soil Survey Editor" connects to "Soil-Survey Management System" (312). All three management systems (308, 310, 312) are connected to a central "Spatial Data Management System" (168) located at the bottom of the diagram.

FIG 1.3

FIG. 14

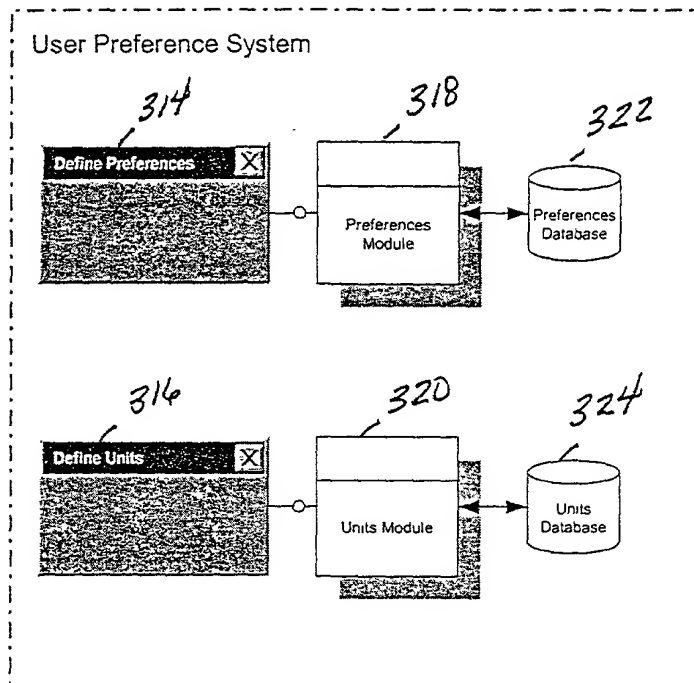


FIG 14

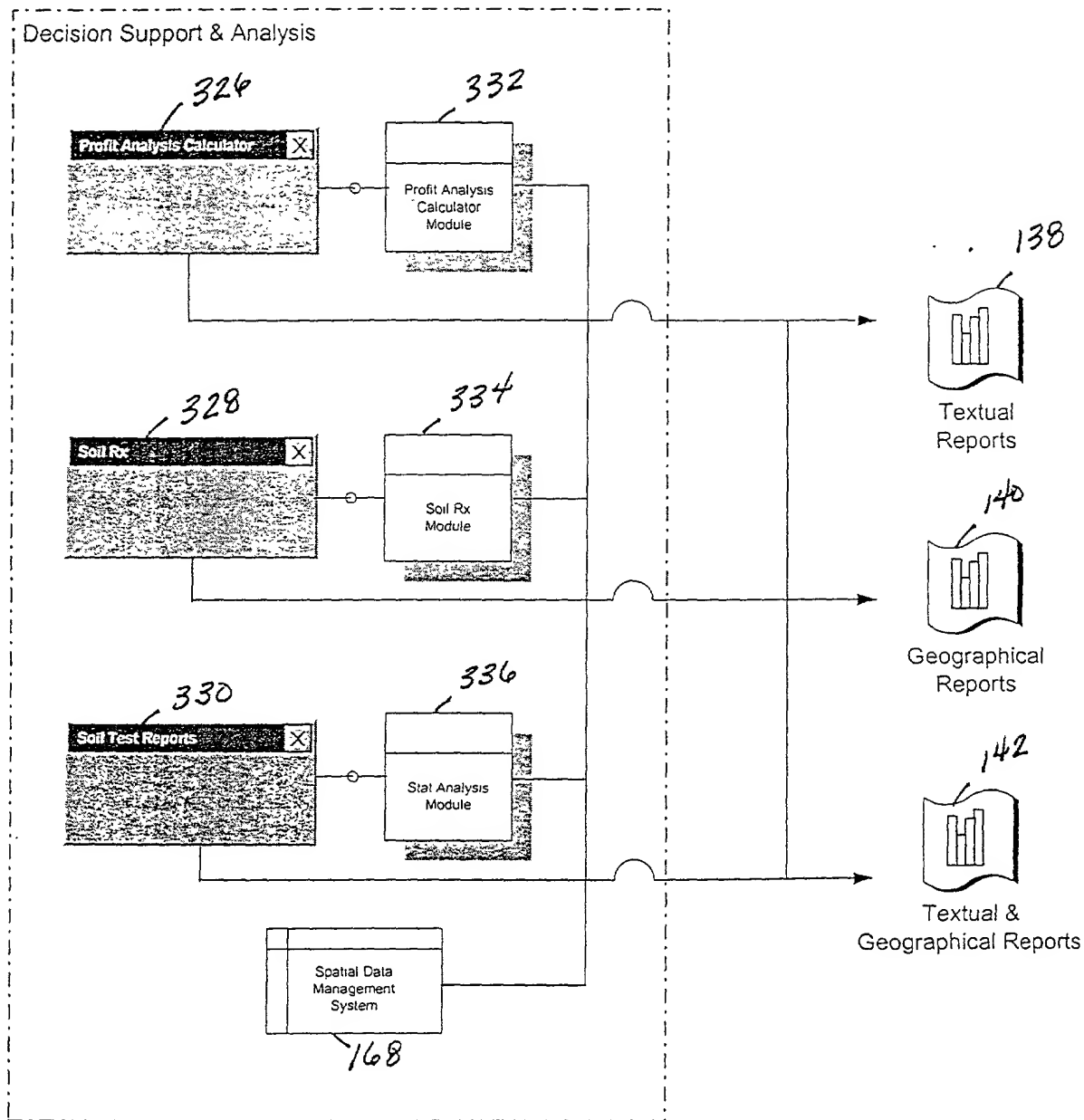


FIG 15

FIG. 16

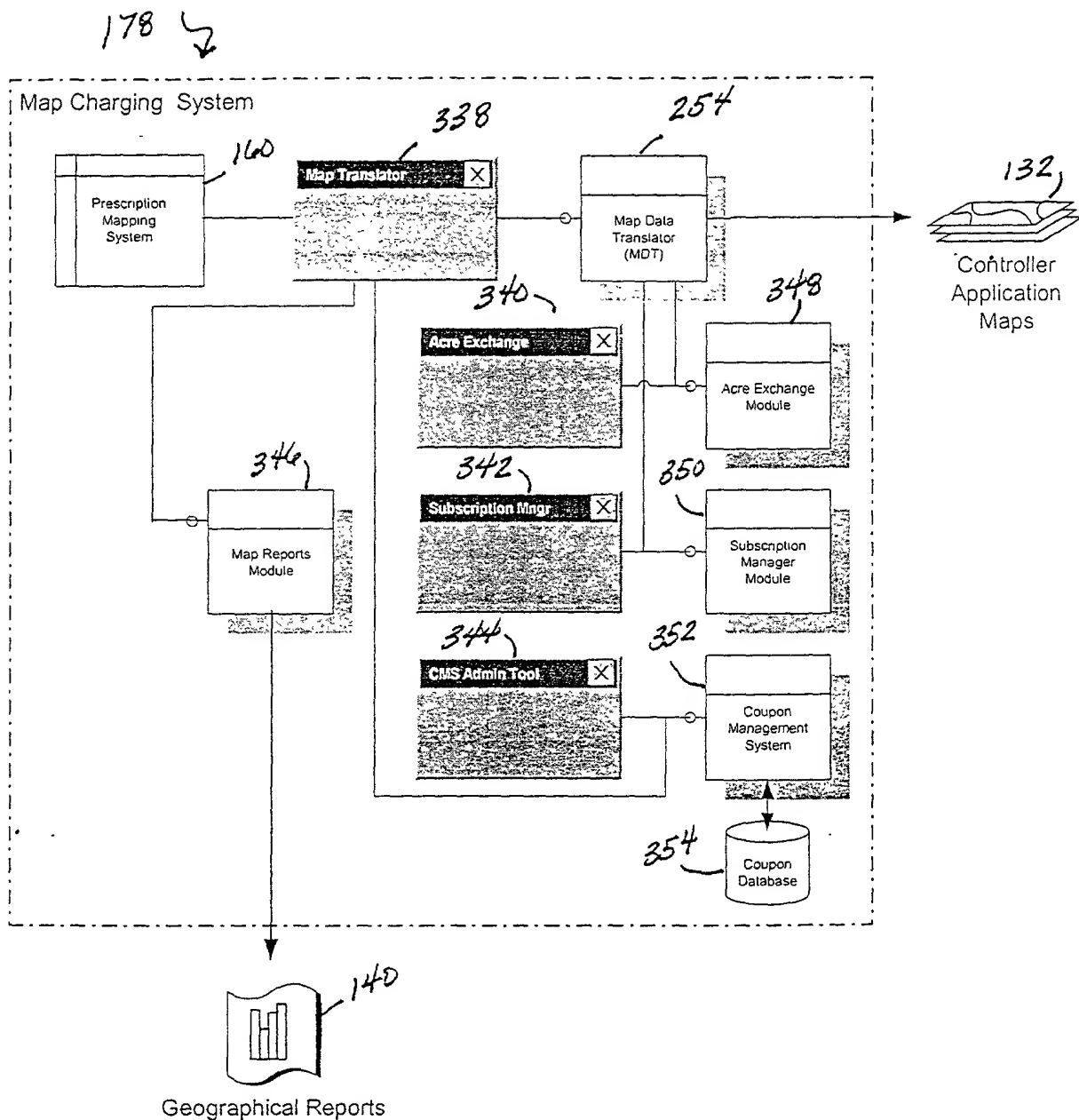


FIG 16

218 24

**Prescription Lab**

356 **New Lab** 358 **Demo 1** **Demo 2** **Demo 3**

360 REM Script: **TestPattern1.xml** 362

**Inputs**

<input checked="" type="checkbox"/> Crop	<input checked="" type="checkbox"/>
YieldGoal	<input checked="" type="checkbox"/>
NTest	<input checked="" type="checkbox"/>
PTest	<input checked="" type="checkbox"/>
KTest	<input checked="" type="checkbox"/>

**Recommendations**

Line	<input checked="" type="checkbox"/>	Line	<input checked="" type="checkbox"/>	DAP	<input checked="" type="checkbox"/>	Sulfomag	<input checked="" type="checkbox"/>
NRec	<input checked="" type="checkbox"/>	NRec	<input checked="" type="checkbox"/>	NRec	<input checked="" type="checkbox"/>	NRec	<input checked="" type="checkbox"/>
PKRec	<input checked="" type="checkbox"/>	PKRec	<input checked="" type="checkbox"/>	PKRec	<input checked="" type="checkbox"/>	PKRec	<input checked="" type="checkbox"/>
SRec	<input checked="" type="checkbox"/>	SRec	<input checked="" type="checkbox"/>	SRec	<input checked="" type="checkbox"/>	SRec	<input checked="" type="checkbox"/>

Map Filename: **LIME STI** **DAP STI** **SULFOMAG STI**

**Products**

366 **Make Demo Maps** 374 **Make Controller Maps** 368 **Make Status**

370 **Shared Data** 372 **Equations** 374 **Products** 378 **Vehicle** 380 **Inputs** 382

**Properties**

Variable Name: **Crop** Category: **Crop**

Modeler: **Shapellie Modeler** File Name: **CROP.SHP** Attribute: **Crop**

... and conformation parameters

09874937 050504

379 17



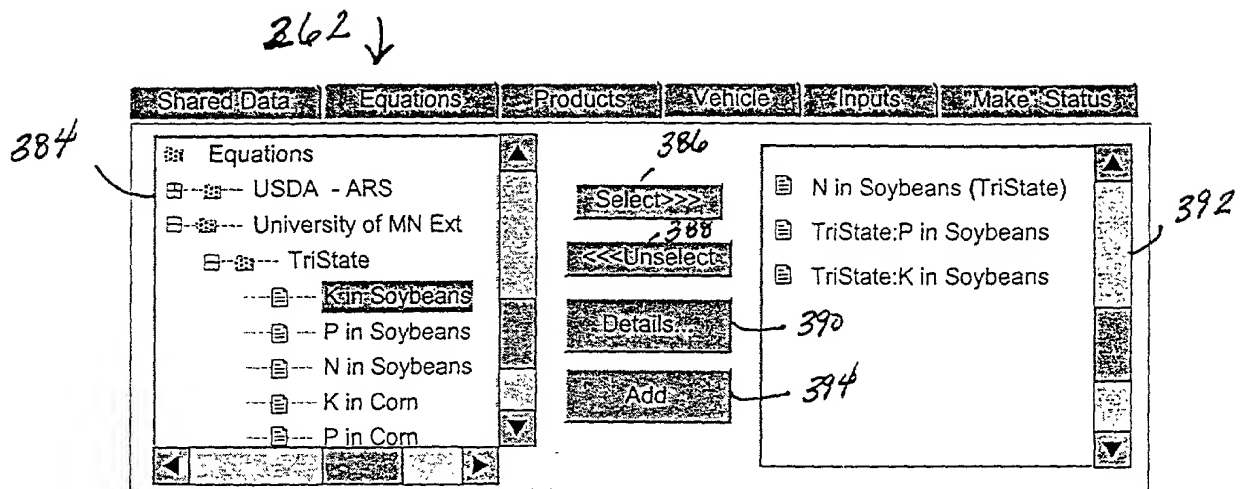


FIG 18

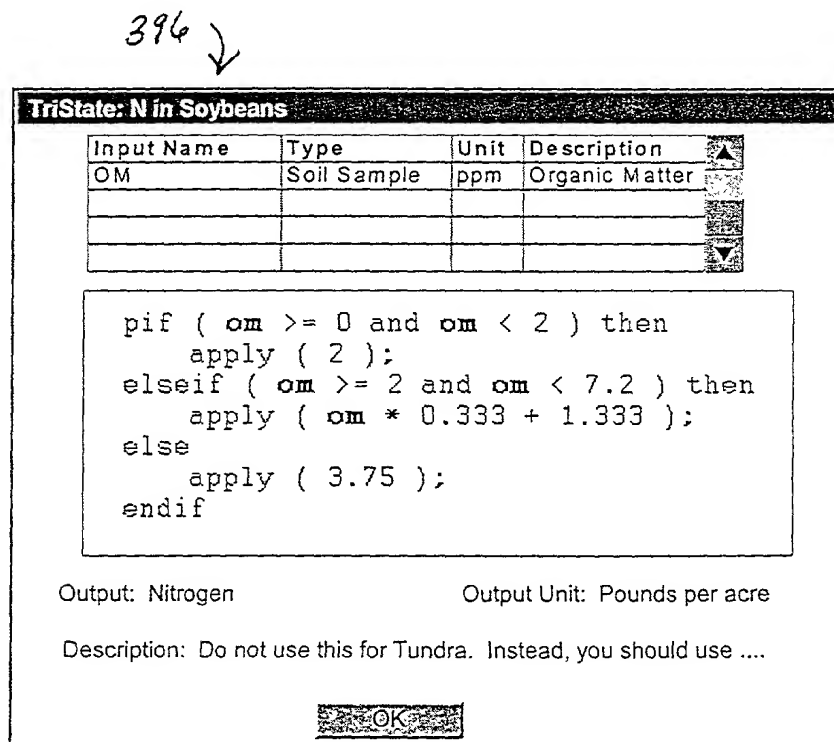


FIG 19

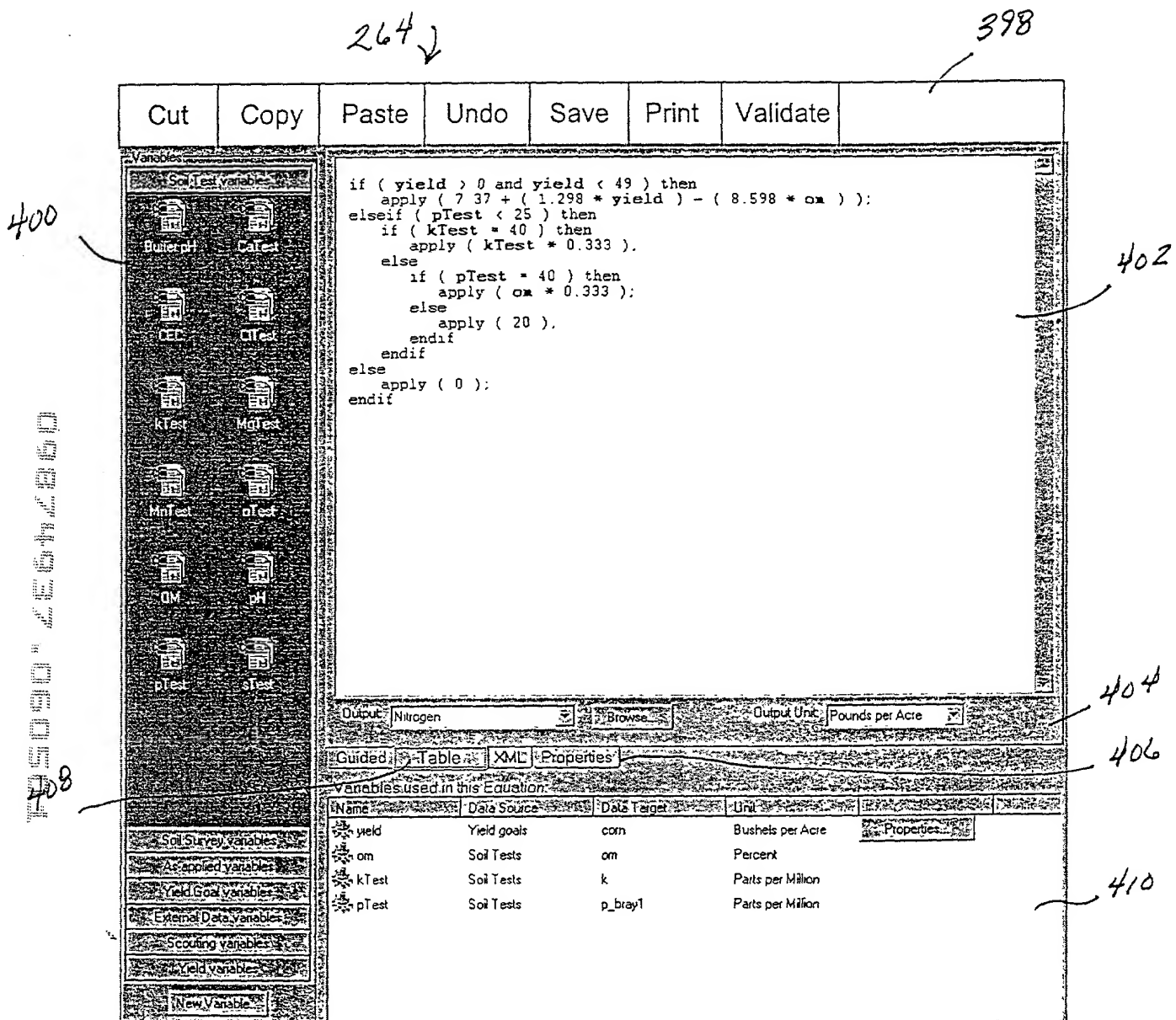
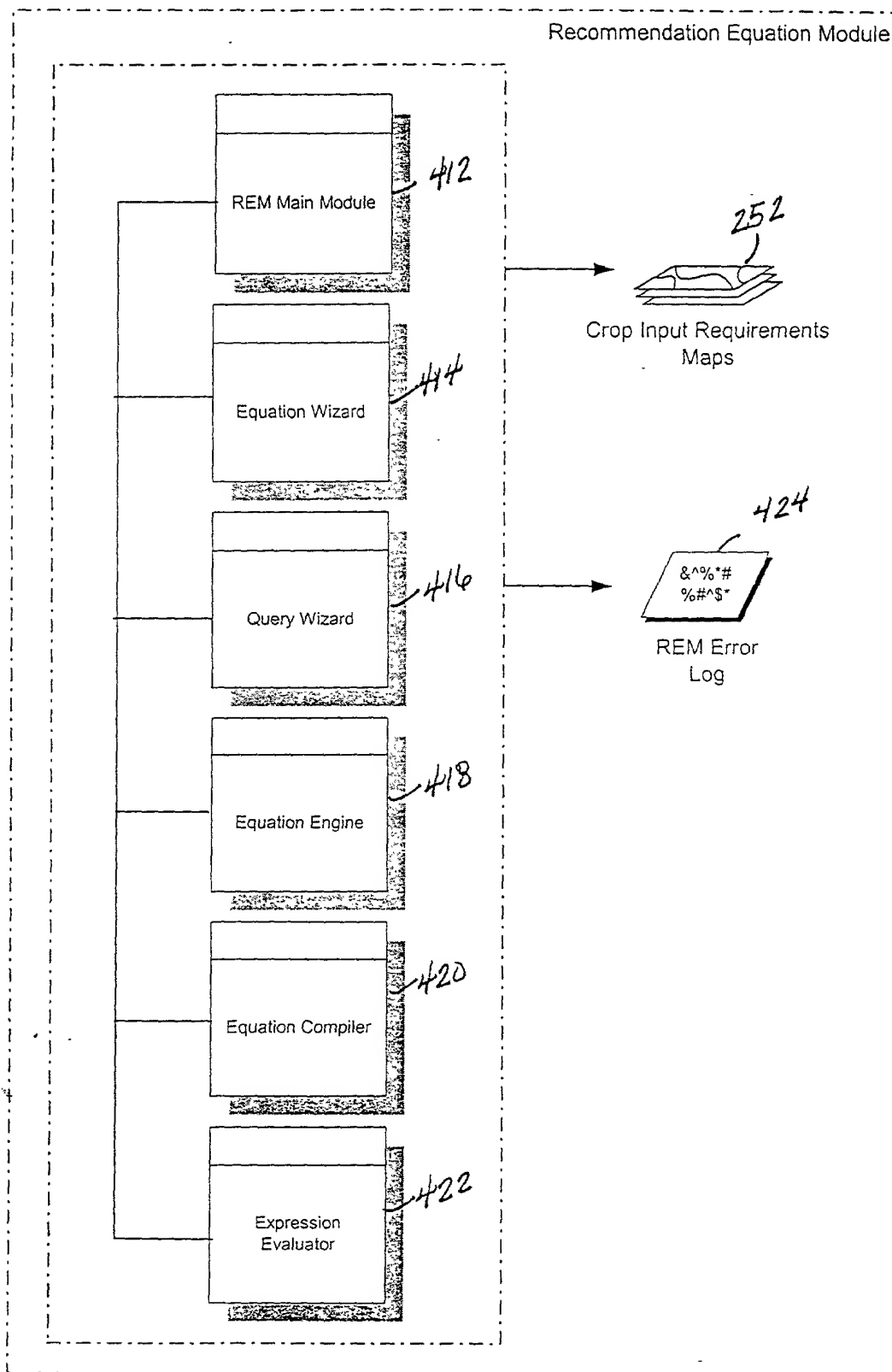


FIG 20

FIG 21



244  
S

FIG 21

262 ↓

Shared Data
Equations
Products
Vehicle
Inputs
"Make" Status

Products

- Fertilizers
- MacroNutrient
  - Ammonium-Nitra
  - Ammonium Sulf
  - Diammonium Ph
  - Potassium Chlor
  - Urea
  - Urea Ammonium

428
430

Select>>>
<<<Unselect

Details...
432

Add
434

- Ammonium Nitrate
- Diammonium Phosphate
- Urea

436

FIG 22

438 ↓

Shared Data
Equations
Products
Vehicle
Inputs
"Make" Status

440

Product Setup

Map	Product	Density	Rate		Units	Bin Assignments									
			Low	High		Dry					Wet				
						1	2	3	4	5	6	7	8	9	10
DAP.STI	DAP	50	54	109	lbs	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SULFOMAG.STI	SULFOMAG	50	54	109	lbs	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
						<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
						<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
						<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
						<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

442

Terra-Gator 8104

444

FIG 23

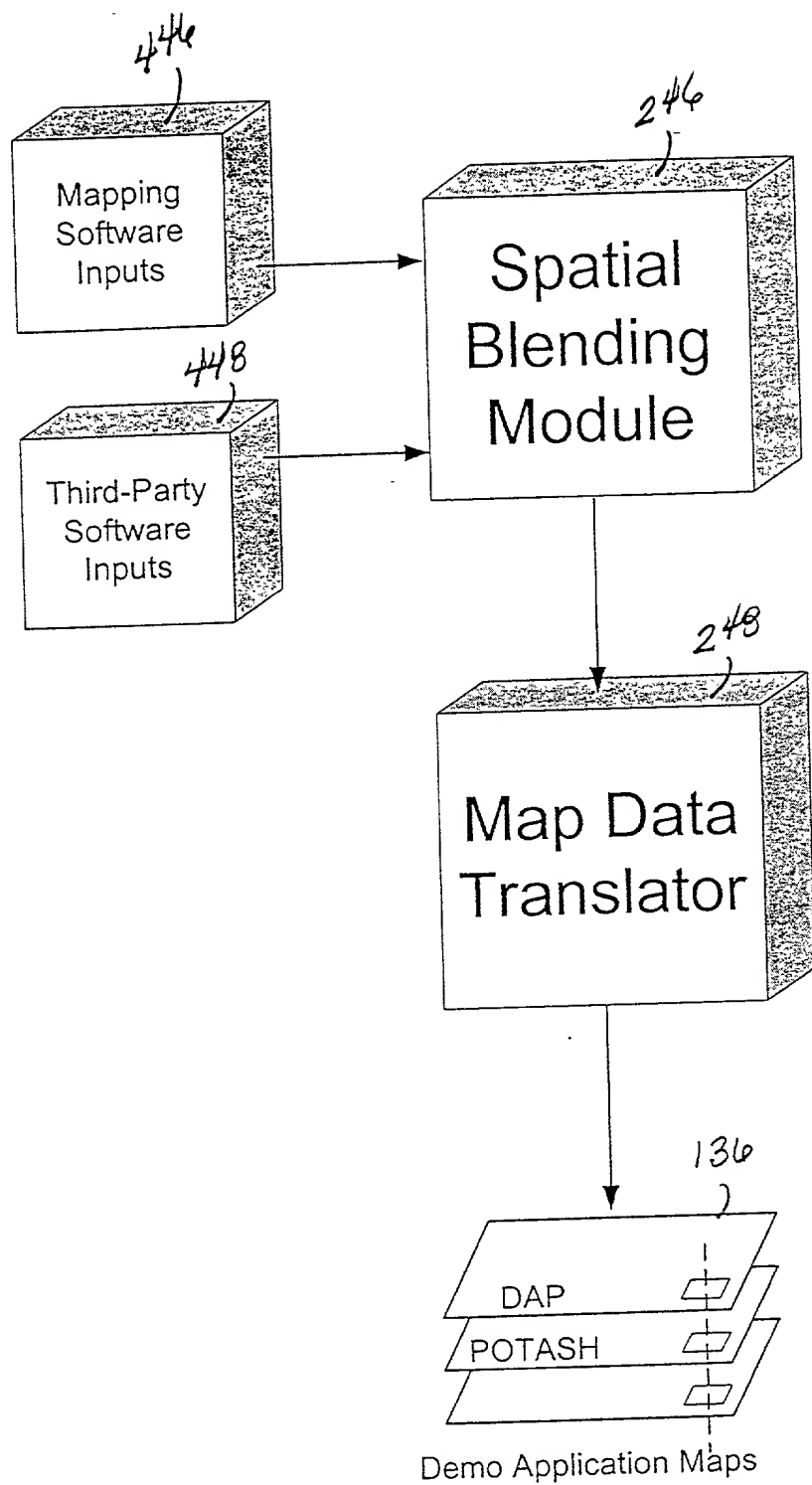


FIG 24

FIG 25

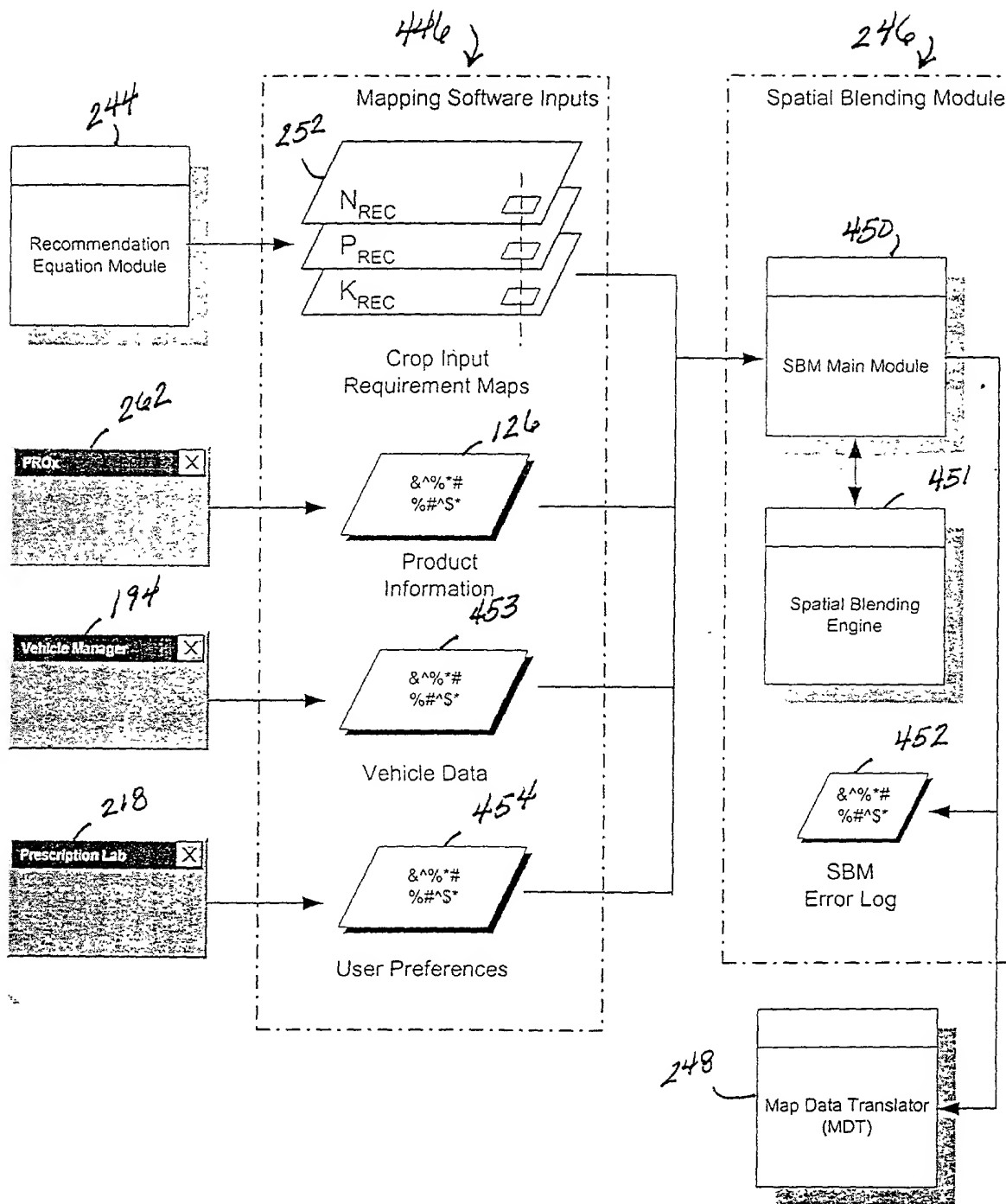


FIG 25

FIG. 26

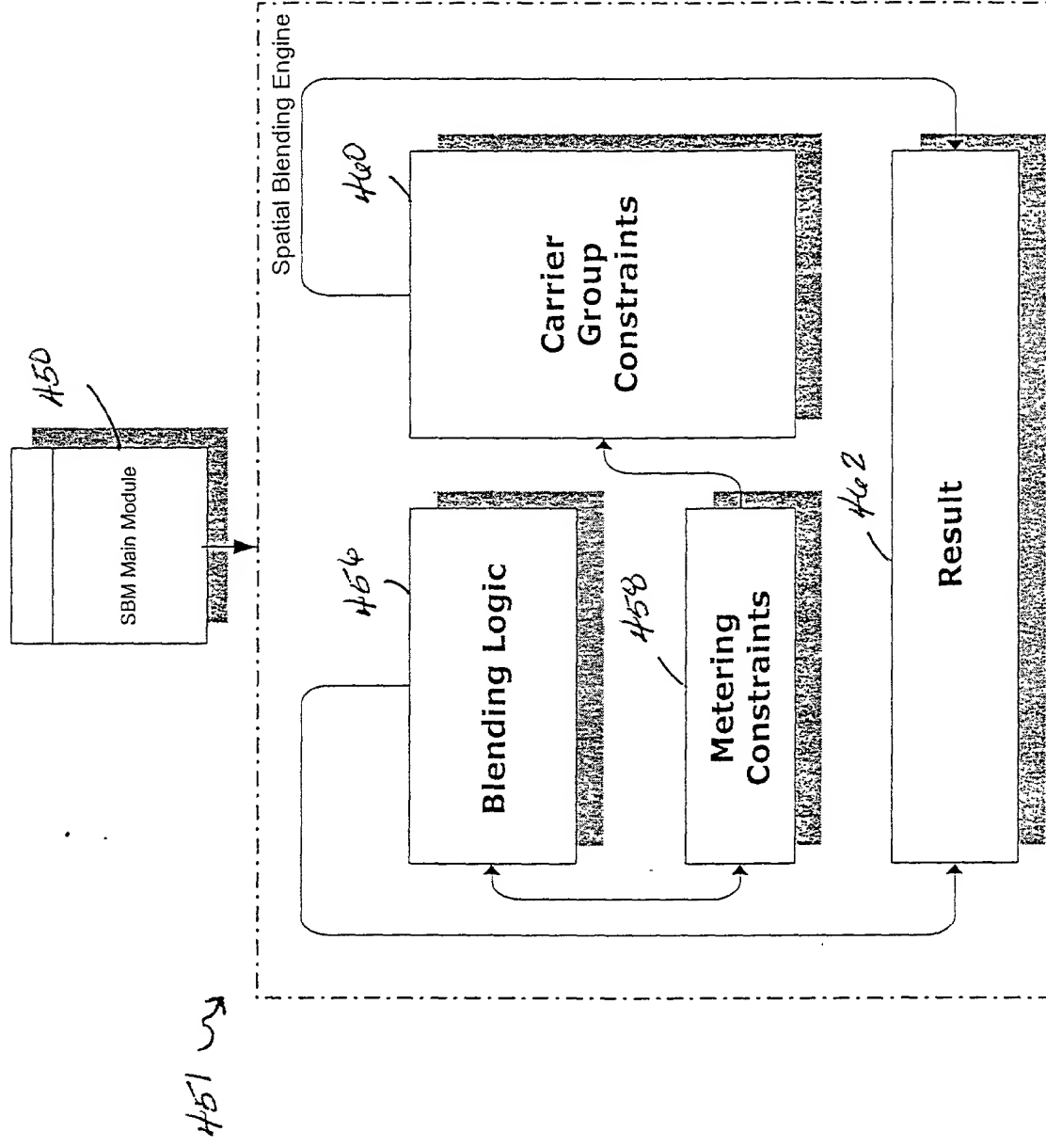
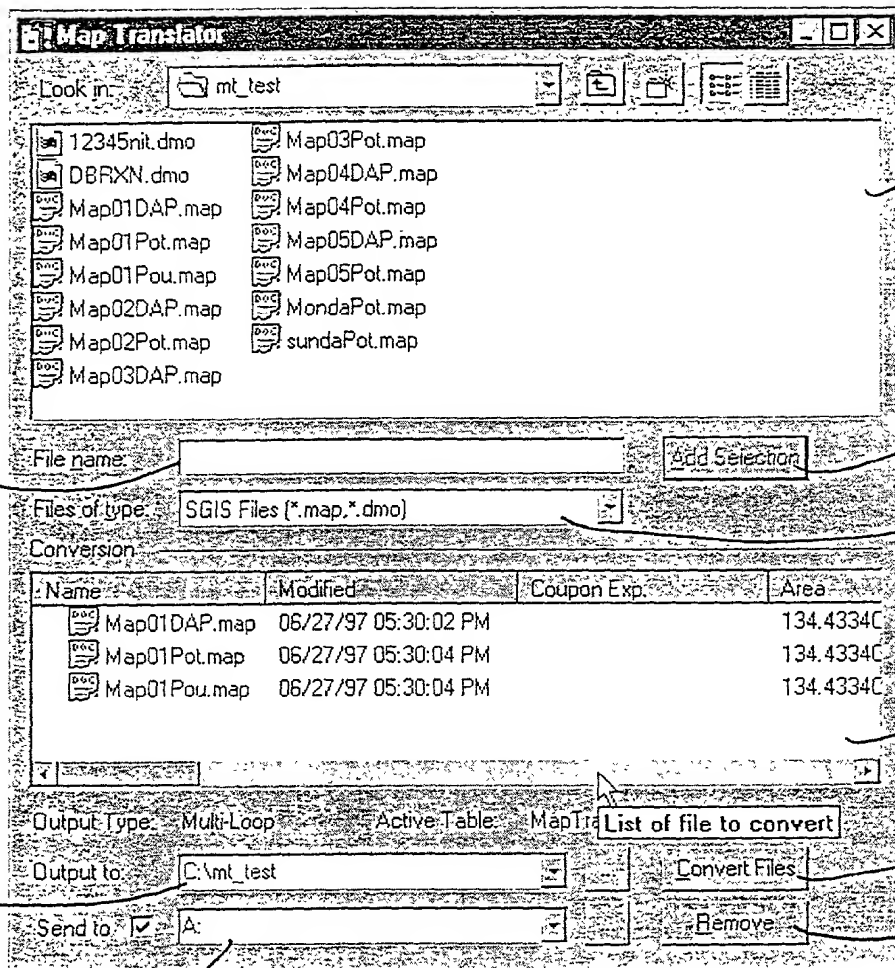


FIG 26

338 ↓



464

469

470

472

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480

478

466

474

FIG 27



FIG. 28

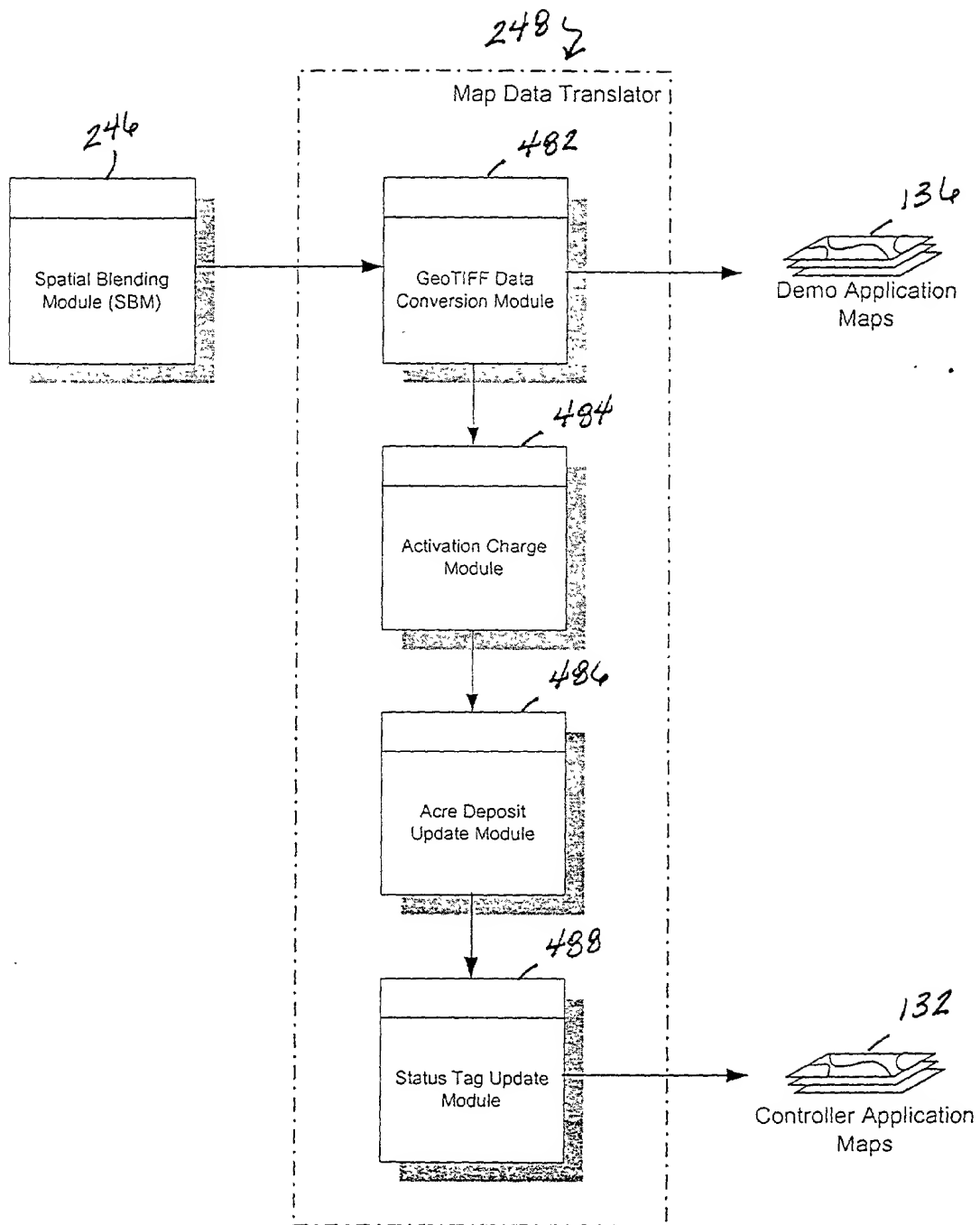


FIG 28